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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
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August 8, 1979

Mr. Kent G. Dahlquist
Engineering Department
Union Carbide Corporaiton
Metals Division
Uravan, Colorado 81436

RE: Redd Block Four Mine
Hecla Shaft
San Juan County, Utah
ACT/037/046
ACT/037/043

Dear Kent:

Tom and I would like to thank Gordon and you for showing us the Hecla and Redd Block Four properties. Concerning the possible need for temporary discharge ponds for the Hecla Shaft, Union Carbide must apply to the Division of Health and the Mining and Reclamation Plan submitted to this office must be amended. The address for the Division of Health is:

Mr. Steve McNeal
Bureau of Water Pollution Control
Room 410
150 West North Temple
Salt Lake City, Utah 84103
Phone: 801-533-6146

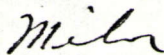
To complete the Redd Block Four Mine Plan the Division requires an updated drill-hole map for the property showing hole locations only and an accounting of plugging and drill-site reclamation work completed. Although not required, an aerial photo pair, if available, of the site would be helpful.

Mr. Kent G. Dahlquist
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The Division will approach the Board of Oil, Gas and Mining during the August 23, 1979 Executive Session to obtain concurrence for the issuance of tentative approval, the amount of the estimated reclamation surety (\$29,666.00) in the form of a contract, and for the issuance of final approval if no adverse public comment is received during the required publication period. The Division will issue tentative approval contingent upon our receiving for approval, prior to site disturbance, maps showing final locations of all surface structures, the shaft, waste rock disposal site, topsoil stockpiles and roads. In addition conceptual underground development plans and vent site locations should be shown. At this time, the Division would like to stress that all topsoil must be conserved, stockpiled and protected wherever Union Carbide plans to construct facilities such as roads, waste rock disposal sites, ponds and buildings; the plan was somewhat vague in this matter. The Division also requires that soil samples be taken of the undisturbed soil, a complete standard fertility test be run by a competent facility and results copied to the Division. The required tests to be run include the following: pH, salinity, phosphorus, potassium, texture, lime recommendations, and SAR. Also, the Division requires that revegetation test plot plans be submitted within 60 days.

If you have any questions please call us.

Sincerely,



K. MICHAEL THOMPSON
ENGINEERING GEOLOGIST

KMT/te